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Sequence Listing was accepted with existing errors.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866)
217-9197 (toll free).

Reviewer: Durreshwar Anjum

Timestamp: Wed Jun 06 12:05:40 EDT 2007

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Application No: 10595562 Version No: 1.0

Input Set:

Output Set:

Started: 2007-06-06 10:40:39.917
Finished: 2007-06-06 10:40:43.085
Elapsed: 0 hr(s) 0 min(s) 3 sec(s) 168 ms
Total Warnings: 9
Total Errors: 37
No. of SeqIDs Defined: 75
Actual SeqID Count: 75

Error code	Error Description
E 257	Invalid sequence data feature in <221> in SEQ ID (36)
W 213	Artificial or Unknown found in <213> in SEQ ID (67)
W 213	Artificial or Unknown found in <213> in SEQ ID (68)
E 257	Invalid sequence data feature in <221> in SEQ ID (68)
W 213	Artificial or Unknown found in <213> in SEQ ID (69)
E 257	Invalid sequence data feature in <221> in SEQ ID (69)
W 213	Artificial or Unknown found in <213> in SEQ ID (70)
E 257	Invalid sequence data feature in <221> in SEQ ID (70)
E 257	Invalid sequence data feature in <221> in SEQ ID (70)
W 213	Artificial or Unknown found in <213> in SEQ ID (71)
E 257	Invalid sequence data feature in <221> in SEQ ID (71)
E 257	Invalid sequence data feature in <221> in SEQ ID (71)
E 257	Invalid sequence data feature in <221> in SEQ ID (71)
E 257	Invalid sequence data feature in <221> in SEQ ID (71)
E 257	Invalid sequence data feature in <221> in SEQ ID (71)
E 257	Invalid sequence data feature in <221> in SEQ ID (71)
W 213	Artificial or Unknown found in <213> in SEQ ID (72)
E 257	Invalid sequence data feature in <221> in SEQ ID (72)
E 257	Invalid sequence data feature in <221> in SEQ ID (72)
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Input Set:

Output Set:

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No. of SeqIDs Defined: 75
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Error code	Error Description
E 257	Invalid sequence data feature in <221> in SEQ ID (72)
E 257	Invalid sequence data feature in <221> in SEQ ID (72)
W 213	Artificial or Unknown found in <213> in SEQ ID (73)
E 257	Invalid sequence data feature in <221> in SEQ ID (73)
E 257	Invalid sequence data feature in <221> in SEQ ID (73)
E 257	Invalid sequence data feature in <221> in SEQ ID (73)
E 257	Invalid sequence data feature in <221> in SEQ ID (73) This error has occurred more than 20 times, will not be displayed
W 213	Artificial or Unknown found in <213> in SEQ ID (74)
W 213	Artificial or Unknown found in <213> in SEQ ID (75)

SEQUENCE LISTING

<110> GUTHRIDGE, MARK
 RAMSHAW, HAYLEY
 STOMSKI, FRANK
 FELQUER, FERNANDO
 LOPEZ, ANGEL

<120> A BIDENTATE MOTIF AND METHODS OF USE

<130> 03391/0204242-US0

<140> 10595562

<141> 2007-06-06

<150> 10/595,562

<151> 2006-04-27

<150> PCT/AU04/01482

<151> 2004-10-27

<150> AU 2003-905931

<151> 2003-10-27

<160> 75

<170> PatentIn Ver. 3.3

<210> 1

<211> 897

<212> PRT

<213> Homo sapiens

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 1 5 10 15

Trp Glu Arg Ser Leu Ala Gly Ala Glu Glu Thr Ile Pro Leu Gln Thr
 20 25 30

Leu Arg Cys Tyr Asn Asp Tyr Thr Ser His Ile Thr Cys Arg Trp Ala
 35 40 45

Asp Thr Gln Asp Ala Gln Arg Leu Val Asn Val Thr Leu Ile Arg Arg
 50 55 60

Val Asn Glu Asp Leu Leu Glu Pro Val Ser Cys Asp Leu Ser Asp Asp
 65 70 75 80

Met Pro Trp Ser Ala Cys Pro His Pro Arg Cys Val Pro Arg Arg Cys
 85 90 95

Val Ile Pro Cys Gln Ser Phe Val Val Thr Asp Val Asp Tyr Phe Ser
 100 105 110

Phe Gln Pro Asp Arg Pro Leu Gly Thr Arg Leu Thr Val Thr Leu Thr
 115 120 125

Gln	His	Val	Gln	Pro	Pro	Glu	Pro	Arg	Asp	Leu	Gln	Ile	Ser	Thr	Asp
130				135				140							
Gln	Asp	His	Phe	Leu	Leu	Thr	Trp	Ser	Val	Ala	Leu	Gly	Ser	Pro	Gln
145				150				155				160			
Ser	His	Trp	Leu	Ser	Pro	Gly	Asp	Leu	Glu	Phe	Glu	Val	Val	Tyr	Lys
165				170				175							
Arg	Leu	Gln	Asp	Ser	Trp	Glu	Asp	Ala	Ala	Ile	Leu	Leu	Ser	Asn	Thr
180				185				190							
Ser	Gln	Ala	Thr	Leu	Gly	Pro	Glu	His	Leu	Met	Pro	Ser	Ser	Thr	Tyr
195				200				205							
Val	Ala	Arg	Val	Arg	Thr	Arg	Leu	Ala	Pro	Gly	Ser	Arg	Leu	Ser	Gly
210				215				220							
Arg	Pro	Ser	Lys	Trp	Ser	Pro	Glu	Val	Cys	Trp	Asp	Ser	Gln	Pro	Gly
225				230				235				240			
Asp	Glu	Ala	Gln	Pro	Gln	Asn	Leu	Glu	Cys	Phe	Phe	Asp	Gly	Ala	Ala
245				250				255							
Val	Leu	Ser	Cys	Ser	Trp	Glu	Val	Arg	Lys	Glu	Val	Ala	Ser	Ser	Val
260				265				270							
Ser	Phe	Gly	Leu	Phe	Tyr	Lys	Pro	Ser	Pro	Asp	Ala	Gly	Glu	Glu	Glu
275				280				285							
Cys	Ser	Pro	Val	Leu	Arg	Glu	Gly	Leu	Gly	Ser	Leu	His	Thr	Arg	His
290				295				300							
His	Cys	Gln	Ile	Pro	Val	Pro	Asp	Pro	Ala	Thr	His	Gly	Gln	Tyr	Ile
305				310				315				320			
Val	Ser	Val	Gln	Pro	Arg	Arg	Ala	Glu	Lys	His	Ile	Lys	Ser	Ser	Val
325				330				335							
Asn	Ile	Gln	Met	Ala	Pro	Pro	Ser	Leu	Asn	Val	Thr	Lys	Asp	Gly	Asp
340				345				350							
Ser	Tyr	Ser	Leu	Arg	Trp	Glu	Thr	Met	Lys	Met	Arg	Tyr	Glu	His	Ile
355				360				365							
Asp	His	Thr	Phe	Glu	Ile	Gln	Tyr	Arg	Lys	Asp	Thr	Ala	Thr	Trp	Lys
370				375				380							
Asp	Ser	Lys	Thr	Glu	Thr	Leu	Gln	Asn	Ala	His	Ser	Met	Ala	Leu	Pro
385				390				395				400			
Ala	Leu	Glu	Pro	Ser	Thr	Arg	Tyr	Trp	Ala	Arg	Val	Arg	Val	Arg	Thr
405				410				415							
Ser	Arg	Thr	Gly	Tyr	Asn	Gly	Ile	Trp	Ser	Glu	Trp	Ser	Glu	Ala	Arg
420				425				430							

Ser	Trp	Asp	Thr	Glu	Ser	Val	Leu	Pro	Met	Trp	Val	Leu	Ala	Leu	Ile	435	440	445	
Val	Ile	Phe	Leu	Thr	Ile	Ala	Val	Leu	Leu	Ala	Leu	Arg	Phe	Cys	Gly	450	455	460	
Ile	Tyr	Gly	Tyr	Arg	Leu	Arg	Arg	Lys	Trp	Glu	Glu	Lys	Ile	Pro	Asn	465	470	475	480
Pro	Ser	Lys	Ser	His	Leu	Phe	Gln	Asn	Gly	Ser	Ala	Glu	Leu	Trp	Pro	485	490	495	
Pro	Gly	Ser	Met	Ser	Ala	Phe	Thr	Ser	Gly	Ser	Pro	Pro	His	Gln	Gly	500	505	510	
Pro	Trp	Gly	Ser	Arg	Phe	Pro	Glu	Leu	Glu	Gly	Val	Phe	Pro	Val	Gly	515	520	525	
Phe	Gly	Asp	Ser	Glu	Val	Ser	Pro	Leu	Thr	Ile	Glu	Asp	Pro	Lys	His	530	535	540	
Val	Cys	Asp	Pro	Pro	Ser	Gly	Pro	Asp	Thr	Thr	Pro	Ala	Ala	Ser	Asp	545	550	555	560
Leu	Pro	Thr	Glu	Gln	Pro	Pro	Ser	Pro	Gln	Pro	Gly	Pro	Pro	Ala	Ala	565	570	575	
Ser	His	Thr	Pro	Glu	Lys	Gln	Ala	Ser	Ser	Phe	Asp	Phe	Asn	Gly	Pro	580	585	590	
Tyr	Leu	Gly	Pro	Pro	His	Ser	Arg	Ser	Leu	Pro	Asp	Ile	Leu	Gly	Gln	595	600	605	
Pro	Glu	Pro	Pro	Gln	Glu	Gly	Gly	Ser	Gln	Lys	Ser	Pro	Pro	Pro	Gly	610	615	620	
Ser	Leu	Glu	Tyr	Leu	Cys	Leu	Pro	Ala	Gly	Gly	Gln	Val	Gln	Leu	Val	625	630	635	640
Pro	Leu	Ala	Gln	Ala	Met	Gly	Pro	Gly	Gln	Ala	Val	Glu	Val	Glu	Arg	645	650	655	
Arg	Pro	Ser	Gln	Gly	Ala	Ala	Gly	Ser	Pro	Ser	Leu	Glu	Ser	Gly	Gly	660	665	670	
Gly	Pro	Ala	Pro	Pro	Ala	Leu	Gly	Pro	Arg	Val	Gly	Gly	Gln	Asp	Gln	675	680	685	
Lys	Asp	Ser	Pro	Val	Ala	Ile	Pro	Met	Ser	Ser	Gly	Asp	Thr	Glu	Asp	690	695	700	
Pro	Gly	Val	Ala	Ser	Gly	Tyr	Val	Ser	Ser	Ala	Asp	Leu	Val	Phe	Thr	705	710	715	720
Pro	Asn	Ser	Gly	Ala	Ser	Ser	Val	Ser	Leu	Val	Pro	Ser	Leu	Gly	Leu	725	730	735	

Pro Ser Asp Gln Thr Pro Ser Leu Cys Pro Gly Leu Ala Ser Gly Pro
 740 745 750
 Pro Gly Ala Pro Gly Pro Val Lys Ser Gly Phe Glu Gly Tyr Val Glu
 755 760 765
 Leu Pro Pro Ile Glu Gly Arg Ser Pro Arg Ser Pro Arg Asn Asn Pro
 770 775 780
 Val Pro Pro Glu Ala Lys Ser Pro Val Leu Asn Pro Gly Glu Arg Pro
 785 790 795 800
 Ala Asp Val Ser Pro Thr Ser Pro Gln Pro Glu Gly Leu Leu Val Leu
 805 810 815
 Gln Gln Val Gly Asp Tyr Cys Phe Leu Pro Gly Leu Gly Pro Gly Pro
 820 825 830
 Leu Ser Leu Arg Ser Lys Pro Ser Ser Pro Gly Pro Gly Pro Glu Ile
 835 840 845
 Lys Asn Leu Asp Gln Ala Phe Gln Val Lys Lys Pro Pro Gly Gln Ala
 850 855 860
 Val Pro Gln Val Pro Val Ile Gln Leu Phe Lys Ala Leu Lys Gln Gln
 865 870 875 880
 Asp Tyr Leu Ser Leu Pro Pro Trp Glu Val Asn Lys Pro Gly Glu Val
 885 890 895

Cys

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 1 5 10

<210> 3
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<400> 3
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<210> 4
 <211> 15

<212> PRT

<213> Homo sapiens

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<210> 5

<211> 22

<212> PRT

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Arg Ser Val Ser Glu Pro
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<210> 6

<211> 13

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<210> 7

<211> 24

<212> PRT

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Leu Lys Leu Ser Ile Ser Phe Pro
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<211> 19

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Ser Tyr Pro

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<400> 9
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1 5 10 15

Ser Phe Pro

<210> 10
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<212> PRT
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<210> 12
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Asn Pro Asp Tyr Trp Asn His Ser Leu Pro
1 5 10

<210> 13
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1 5 10 15

Ile Cys Ser Lys Ser Asn Pro
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<210> 14

<211> 11
<212> PRT
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<400> 14
Asn Thr Leu Tyr Phe Asn Ser Gln Ser Ser Pro
1 5 10

<210> 15
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<212> PRT
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1 5 10 15

Asn Gln Asp Gly Tyr Ser Tyr Pro
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<210> 16
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<213> Rattus sp.

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Gly Arg His Ser Ala Ser Val Gly
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Gly Leu Leu Asp Ala Asp Phe Ala Leu Asp Pro Asp Lys Pro Thr Asn
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Phe Thr Asn Pro Val Tyr
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1 5 10

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Asn Pro Leu Tyr Lys Ser Ala Ile Thr Thr Thr Val
1 5 10

<210> 20

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<210> 21

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<212> PRT

<213> Homo sapiens

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1 5 10

<210> 22

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<213> Homo sapiens

<400> 22

Asn Pro Leu Tyr Arg Gly Ser Thr Ser Thr Phe Lys
1 5 10

<210> 23

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Pro Gly His Tyr Leu Arg Cys Asp Ser Thr Gln Pro
1 5 10

<210> 24

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Pro

<210> 25

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<212> PRT

<213> Homo sapiens

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1 5 10

<210> 26

<211> 22

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Ser Glu Ser Thr Gln Pro
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<210> 27

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Trp Lys Met Tyr Glu Val Tyr Asp Ala Lys Ser Lys Ser Val Ser Leu
1 5 10 15

Pro

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Ser Pro Pro

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Asp Leu Glu Pro Glu Asn Met Glu Ser Val Pro Leu Asp Pro Ser Ala
20 25 30

Ser Ser Ser Ser Leu Pro
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Lys Arg Pro Ser Phe Pro
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20 25 30

Gly Glu Lys Leu His Ser Asp Ser Gly Ile Ser
35 40

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<213> Homo sapiens

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Asn Val His Tyr Arg Thr Pro Thr Thr His Thr Met Pro
1 5 10

<210> 38
<211> 10

<212> PRT

<213> Homo sapiens

<400> 38

Asn Lys Cys Tyr Arg Gly Arg Ser Cys Pro
1 5 10

<210> 39

<211> 27

<212> PRT

<213> Homo sapiens

<400> 39

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1 5 10 15

Trp Thr Lys Val Phe Lys Ser Arg Thr Pro Pro
20 25

<210> 40

<211> 31

<212> PRT

<213> Homo sapiens

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Asn Gln Lys Tyr Met Ser Phe Thr Ser Gly Asp Lys Ser Ala His Gly
1 5 10 15

Tyr Ile Ala Ala His Pro Ser Ser Thr Lys Thr Ala Ser Glu Pro
20 25 30

<210> 41

<211> 32

<212> PRT

<213> Homo sapiens

<400> 41

Asn Arg Thr Tyr Tyr Leu Met Asp Pro Ser Gly Asn Ala His Lys Trp
1 5 10 15

Cys Arg Lys Ile Gln Glu V